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## PATENT ABSTRACTS OF JAPAN

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**C12N 15/09****A61K 35/34****A61P 9/00****C12N 5/06**(21) Application number: **11261035**(22) Date of filing: **14.09.99**(71) Applicant: **CARDIOGENE  
GENTHERAPEUTISCHE SYST AG**(72) Inventor: **MARX HECKER  
MANFRED RAUTO  
ANDREAS H WAGNER**(54) **REGULATION OF TRANSCRIPTION OF GENE IN  
VASCULAR CELL**

(57) Abstract:

PROBLEM TO BE SOLVED: To target a transcription factor which is a suitable target for squelching by a double-stranded nucleic acid having a specific sequence for regulating the transcription in a vascular cell, etc., such as an endothelial and a smooth muscle cells and binding the transcription factor.

SOLUTION: This method for regulating the

transcription of one or more genes in a vascular or a cardiac cell comprises a stage of bringing the cell into contact with a composition comprising one or more double-stranded nucleic acids sequence-specifically bindable to the transcription factor AP-1 and/or CCAAT/enhancer-binding protein (C/EBP) or the related transcription factor. The endothelial cell is a part of a blood vessel or a blood vessel graft. The blood vessel graft is brought into contact with the composition in vivo or ex vivo.

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